PTO/SB/17 (11-01) Approved for use through 10/31/2002. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Unto the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known FEE TRANSMITTAL 09/848,271-Conf. #7683 Application Number ENTRIB! May 4, 2001 Filing Date for FY 2002 Steven M. Ruben First Named Inventor Patent fees are subject to annual revision. Examiner Name E. O'Hara 1646 Applicant claims small entity status. See 37 CFR 1.27 Group Art Unit 2002 PF526 TOTAL AMOUNT OF PAYMENT Attorney Docket No. METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued) TECH CENTER 1600/2900 Check Other None 3. ADDITIONAL FEES Order Deposit Account Small Entity Large Entity Deposit 08-3425 Fee Fee Fee Account Fee Description Fee Paid Number Code (\$) Code (\$) Deposit 105 130 205 65 Surcharge - late filing fee or oath Human Genome Sciences, Inc. Account Surcharge - late provisional filing fee or cover 227 25 127 50 The Commissioner is hereby authorized to: (check all that apply) X Credit any overpayments 139 130 Charge fee(s) indicated below 139 130 Non-English specification Charge any additional fee(s) during the pendency of this 147 2.520 147 2.520 For filing a request for ex parte reexamination Requesting publication of SIR prior to 920* 112 920* Charge fee(s) indicated below, except for the filing fee Examiner action Requesting publication of SIR after to the above-identified deposit account. 1.840 113 1.840 113 Examiner action 215 55 Extension for reply within first month **FEE CALCULATION** 115 110 1. BASIC FILING FEE 116 400 216 200 Extension for reply within second month Large Entity Small Entity 920 217 460 Extension for reply within third month Fee Fee 1,440 218 720 Extension for reply within fourth month Fee Description 118 Fee Paid (\$) Code (\$) Code 228 Extension for reply within fifth month Utility filing fee 1.960 980 101 740 201 370 128 320 219 Notice of Appeal 206 Design filing fee 119 160 106 330 165 Plant filing fee 120 320 220 160 Filing a brief in support of an appeal 107 207 255 510 280 221 Request for oral hearing 108 740 208 370 Reissue filina fee 121 140 138 1,510 138 1,510 Petition to institute a public use proceeding 160 214 80 Provisional filing fee 114 140 240 Petition to revive - unavoidable 110 55 SUBTOTAL (1) (\$) 141 1,280 241 640 Petition to revive - unintentional 142 1,280 242 640 Utility issue fee (or reissue) 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Fee from Fee Paid 460 243 Design issue fee 143 230 Claims below 244 Total Claims 0.00 144 620 310 Plant issue fee Independent Claims 122 130 122 130 Petitions to the Commissioner 0.00 Processing fee under 37 CFR 1.17(q) 123 50 123 50 Multiple Dependent 126 Submission of Information Disclosure Stmt 126 180 180 Small Entity Large Entity Recording each patent assignment per Fee 581 40 40 Fee Description 581 Code (\$) Code (\$) property (times number of properties) Filing a submission after final rejection 103 203 Claims in excess of 20 18 9 740 246 146 370 (37 CFR 1.129(a)) 84 202 Independent claims in excess of 3 102 42 For each additional invention to be 149 740 249 370 104 280 204 140 Multiple dependent claim, if not paid examined (37CFR 1.129(b)) Request for Continued Examination (RCE) 370 109 84 209 42 Reissue independent claims 179 740 279 over original patent Request for expedited examination 900 169 169 of a design application 110 18 210 ** Reissue claims in excess of 20 and over original patent Other fee (specify) *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) SUBTOTAL (2) (\$) **or number previously paid, if greater, For Reissues, see above SUBMITTED BY Complete (if applicable) Registration No. Name (Print/Type) Janet M. Martineau 46,903 Telephone (301) 315-2723 (Attorney/Agent)

Signature

Date

October 18, 2002